

Sarlink® TPV X6185N

Thermoplastic Vulcanizate

Teknor Apex Company

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Technical Data

Product Description

Sarlink® TPV X6100 series are engineered materials designed for consumer, automotive, and industrial applications requiring superior colorability and elastic performance. Sarlink® TPV X6185N is a higher hardness, low density, multi-purpose thermoplastic vulcanizate that does not require pre-drying and can be processed by injection molding.

General

| | |
|---------------------------|---|
| Material Status | • Commercial: Active |
| Literature ¹ | • Technical Datasheet |
| Search for UL Yellow Card | • Teknor Apex Company • Sarlink® TPV |
| Availability | • Africa & Middle East • Asia Pacific • Europe • Latin America • North America |
| Features | • Chemical Resistant • Good Adhesion • Good Colorability • Good Flow • Good Processability • High Hardness • Low Density • Low Specific Gravity • Resilient |
| Uses | • Automotive Applications • Automotive Interior Parts • Consumer Applications • Industrial Applications • Rubber Replacement • Soft Touch Applications |
| RoHS Compliance | • RoHS Compliant |
| Appearance | • Natural Color • Opaque |
| Forms | • Pellets |

| Physical | Nominal Value Unit | Test Method |
|------------------|-------------------------|-----------------------|
| Specific Gravity | 0.943 g/cm ³ | ASTM D792 ISO 1183 |

| Elastomers | Nominal Value Unit | Test Method |
|--|--------------------|----------------------|
| Tensile Stress - Across Flow (100% Strain) | 4.50 MPa | ASTM D412 ISO 37 |
| Tensile Strength - Across Flow (Break) | 8.60 MPa | ASTM D412 ISO 37 |
| Tensile Elongation - Across Flow (Break) | 650 % | ASTM D412 ISO 37 |
| Compression Set (70°C, 22 hr) | 60 % | ASTM D395 ISO 815 |

| Hardness | Nominal Value Unit | Test Method |
|--|--------------------|-----------------------|
| Durometer Hardness Shore A, 5 sec, Injection Molded | 86 | ASTM D2240 ISO 868 |

| Additional Information | Nominal Value Unit | Test Method |
|--|--------------------|-------------|
| Apparent Shear Viscosity - Capillary @ 206/s | | |
| 200°C | 227 Pa·s | ASTM D3835 |
| 200°C | 227 Pa·s | ISO 11443 |

Legal Statement

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Notes

¹ These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

² Typical properties: these are not to be construed as specifications.

